

Name: _____

Aligned to the following standards:

CS.05; FFA.PL-A; FFA.PL-C; FFA.PL-E; FFA.PG-I; FFA.PG-J; FFA.CS-M; FFA.CS-N;
CCSS.ELA-RI.9-10.4; CCSS.ELA.W.9-10.1; CCSS.ELA.W.9-10.2; CCSS.ELA.WHST.9.10.1;
CCSS.ELA.WHST.9.10.4; CCSS.MP1; CCSS.CRP.02; CRP.04; CRP.06; CRP.08

Revving Up History

Directions:

Answer the questions below as you watch the video "Tractor Restoration SAE | Caleb Wilkerson," available at <https://vimeo.com/857908281>.

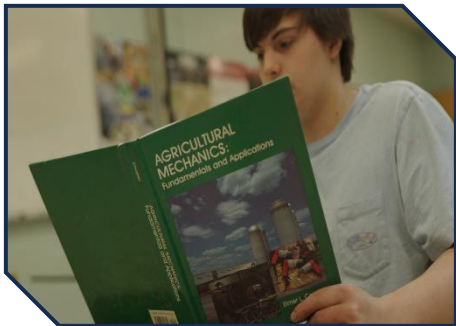
1. What year was the tractor Caleb is restoring originally manufactured?
 - a. 1928
 - b. 1937
 - c. 1943
 - d. 1948

2. What kinds of tasks are involved in restoring a tractor?

-
-
-
-

3. What parts of the tractor has Caleb replaced?

-
-
-
-



4. What four safety precautions does Caleb talk about and show in the video?
 - a.
 - b.
 - c.
 - d.

5. What lesson from Caleb's agriculture class did he say helped him with his SAE?

6. Why does Caleb say that his SAE matters within the agricultural community?

7. What is Caleb's advice to students starting their own SAEs?



Name: _____

Restore, Reuse, Repurpose

Aligned to the following standards:
CS.05; FFA.PL-A; FFA.PL-C; FFA.PL-E; FFA.PG-I; FFA.PG-J; FFA.CS-M;
FFA.CS-N; CCSS.ELA-RI.9-10.4; CCSS.ELA.W.9-10.1; CCSS.ELA.W.9-10.2;
CCSS.ELA.WHST.9.10.1; CCSS.ELA.WHST.9.10.4; CCSS. MP1; CCSS;
CRP.02; CRP.04; CRP.06; CRP.08

Directions:

Oftentimes, in our society, when something breaks, wears down, or becomes old or obsolete, we end up discarding the item in favor of its latest model or newest form. Through his SAE, Caleb was able to take something old and restore it to its former glory like it was brand new. Sometimes, it makes more sense to reuse something for its original or a similar purpose even though it is not still new. Other times, we can repurpose items after they have outlived their original usefulness, and they can take on a whole new purpose, for example, repurposing an old livestock watering trough for a planter.

Using the space provided below, brainstorm how you could restore, reuse or repurpose items in your home, school or community.

1. Using the table below, list 10 items in your home, school or community that you could restore, reuse or repurpose instead of merely discarding. Indicate which action(s) you could take with each item. Make at least half of them related to agriculture (like Caleb's tractor, a feeding trough, a planter, a fish tank, etc.).

Item	Restore, Reuse or Repurpose
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	

2. Why do you think it is important or helpful to restore, reuse or repurpose older items instead of discarding them?
3. Do you think that we, as a society, value restoration and repurposing? Why or why not?

Name: _____

4. Choose three things from the list you created on the previous page, and in the table below, explain why you would like to restore, reuse or repurpose that item. Outline three tasks you would need to complete in order to do so. See the example below using Caleb's tractor.

Item	Explanation	Tasks
1948 Ford 8N Tractor	To learn more about tractors and how they operate and to be able to help out the agricultural community by being able to work on and help fix tractors.	1. Diagnose what is wrong with the tractor. 2. Decide what new parts are needed and what old parts can be restored. 3. Sand and paint the exterior of the tractor.

List your three items, explain why you'd like to restore, reuse or repurpose them and outline at least three tasks you would need to complete in order to do so.

Item	Explanation	Tasks
		1. 2. 3.
		1. 2. 3.
		1. 2. 3.

For the following questions, consider the three items above.

5. How could you potentially turn any of them into an SAE or a small business?
6. What skills would you need to learn?
7. What impact could your SAE have on the community and/or the environment?